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-	Substitute	for form 1449/PTO		ITADA	C mplete if Known		
					Application Number	10/633,015	
	INFO	RMATION	DIS	CLOSURE	Filing Date	July 31, 2003	
•	STATEMENT BY APPLICANT				First Named Inventor	PAVLOVSKAIA, ELENA, et. al.	
					Art Unit	Unassigned	
	(use as many sheets as necessary)				Examiner Name	Unassigned	
F	Page	1	of	6	Attorney Docket Number	018563-002920US	

			U.S. PATENT D	OCUMENTS	
		Document Number			
Examine	Cite No.	Number Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Possages or Relevant Figures Appear
1/1/L	1	3,407,500	10-29-1968	Kesling	
ï	2	3,600,808	08-24-1971	Reeve	
	3	3,660,900	05-09-1972	Andrews	
	4.	3,683,502	08-15-1972	Wallshein	
	5	3,860,803	01-14-1975	Levine	
	6	3,861,044	01-21-1975	Swinson, Jr.	
	7	3,922,786	12-02-1975	Lavin	
	8	3,950,851	04-20-1976	Bergersen	
$\perp \perp$	9	4,253,828	03-03-1981	Coles et al.	
	10	4,324,546	04-13-1982	Heitlinger et al.	
	11	4,324,547	04-13-1982	Arcan et al.	
	12	4,500,294	02-19-1985	Lewis	
	13	4,504,225	03-12-1985	Yoshii	
	14	4,505,673	03-19-1985	Yoshii	
	15	4,526,540	07-02-1985	Dellinger	
	16	4,591,341	05-27-1989 Andrews 09-03-1986 Cain		•
	17	4,609,349			
	18	4,664,626	05-12-1987	Kesling	
	19	4,676,747	06-30-1987	Kesling	
	20	4,755,139	07-05-1988	Abbatte et al.	
	21	4,793,803	12-27-1988	Martz	
	22	4,798,534	01-17-1989	Breads	
	23	4,836,778	06-06-1989	Baumrind et al.	_
	24	4,837,732	06-06-1989	Brandestini et al.	
	25	4,850,865	07-25-1989	Napolitano	
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	28	4,880,380	11-14-1989	Martz	
	29	4,936,862	06-26-1990	Walker et al.	
	30	4,941,826	07-17-1990	Loran et al.	
	31	4,983,334	01-08-1991	Adell	
	32	5,011,405	04-30-1991	Lemchen	
Lan	33	5,017,133	05-21-1991	Miura	
	34	5,035,613	07-30-1991	Breads et al.	
xaminer Signature		Todd F Manab	an	Date Considered /-//-	05

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Substitute for form 1449/PTO

C mplete If Kn wn Application Number 10/633,015 Filing Date July 31, 2003 First Named Inventor PAVLOVSKAIA, ELENA, et. al. Art Unit Unassigned Unassigned **Examiner Name**

018563-002920US

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Page

Document Number						
min	Cite No.1	Number Kind Code ² (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
h	35	5,055,039	10-08-1991	Abatte et al.		
	36	5,059,118	08-23-1994	Breads et al.		
	37	5,100,316	03-31-1992	Wildman		
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	66	5,692,894	12-02-1997	Schwartz et al.		
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Signature Primary Examiner

Todd E. Manahan

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Date

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INFORMATION DISCLOSURE

C mplete if Kn wn

Application Number 10/633,015

Filling Data July 31, 2003

First Named Inventor PAVLOVSKAIA, ELENA, et. al.

Art Unit Unassigned

Examiner Name Unassigned

STATEMENT BY APPLICANT

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Page 3 of 6

Attorney Docket Number 018563-002920US

			U.S. PATENT DO	DCUMENTS	
		Document Number			
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	70	5,866,058	02-02-1999	Batchelder et al.	
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T	- 80	6,183,248	02-06-2001	Chishti et al.	
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	K	85	wo	98/32394	07-30-1998						
	1/1hr	86	WO	94/10935	05-26-1994						
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Examiner Signature	Todd E. Manahan	Date Considered	1.11.04

Primary Examinion

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Substitute for form 1449/PTO Complete if Known Application Number 10/633,015 INFORMATION DISCLOSURE Filing Date July 31, 2003 STATEMENT BY APPLICANT First Named Inventor PAVLOVSKAIA, ELENA, et. al. Art Unit Unassigned (use as many sheets as necessary) **Examiner Name** Unassigned

of | 6

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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.1	include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
////	87	Andrews, "The Six Keys to Optimal Occlusion" Straight Wire, Chapter 3 pp13-24	
1	88	Biostar Opeation & Training Manual. Great Lakes Orthodontics, Ltd. 199 Fire Tower Drive, Tonawanda, New York. 14150-5890. 20 pages total	
	89	Cardinal Industrial Finishes, Powder Coatings information posted at http://www.cardinalpaint.com on 08/25/00, 2 pages total.	
	90	Chiappone, "Constructing the gnathologic setup and positioner" J. Clin. Orthod. (1980) 14:121-133.	
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M	100	Kleemann et al., "The speed positioner" J. Clin. Orthod. (1996) 30:673-680.	

Examiner Date Todd E. Manahan 1-11-04 Signature Considered

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Substitute for form 1449/PTO C mplete if Known **Application Number** 10/633,015 INFORMATION DISCLOSURE Filing Date July 31, 2003 STATEMENT BY APPLICANT **First Named Inventor** PAVLOVSKAIA, ELENA, et. al. Art Unit Unassigned (use as many sheets as necessary) **Examiner Name** Unassigned Page of | 6 Attomey Docket Number 018563-002920US

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	10.	Kuroda et al., "Three-dimensional dental cast analyzing system using laser scanning" Am. J. Orthod. Dentofac. Orthop. (1996) 110:365-369.	
	10	Nahoum et al., "The vacuum formed dental contour appliance" The New York State Dental Journal (1964) 30(9):385-390.	
	10.	Nippon Dental Review "New orthodontic device-dynamic positioner (D.P.)-I. Approach to the proposal of D.P. and transparent silicone rubber" (1980) 452:61-74.	
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	110	Raintree Essix™ & ARS Materials, Inc., Raintree Essix™ Technical Magazine Table of Contents and Essix™ Applications, http://www.essix.com/magazine/default.html (Aug. 13, 1997) 7 pages total.	
	11.	Redmond et al., "Clinical Implications of Digital Orthodontics," Am J. Orthodont. Dentofacial Orthopedics (2000) 117(2)	
	113	Richmond et al., "The development of the PAR Index (Peer Assessment Rating): reliability and validity" European Journal of Orthodontics (1992) 14:125-139.	
	7 11:	Schroeder et al., Eds. The Visual Toolkit, Prentice Hall PTR, New Jersey (1998) Chapters 6, 8, and 9 (pages 153-210, 309-354, and 355-428, respectively).	
MA	114	Shilliday, "Minimizing finishing problems with the mini-positioner" Am. J. Orthod. (1971) 59:596-599.	

Examiner Signature Todd F. Manahan Date Considered 1-11-04

EXAMINER: Initial if reference considered, whether this attait is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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		NON PATENT LITERATURE DOCUMENTS	
Examine Initial	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
M	115	Warunek et al., "Clinical use of silicone elastomer applicances" JCO (1989) XXIII(10):694-700.	
W	116	Warunek et al., "Physical and mechanical properties of elastomers in orthodontic positioners" Am. J. Orthod. Dentofac. Orthop. (1989) 95:388-400.	
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Examiner Signature	Todd E. Manahan	Date Considered	1-11-0	y
	- Discontinue			

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PTO/SB/08A (08-03) Substitute for form 1449A/PTO Complete if Known **Application Number** 10/633.015 INFORMATION DISCLOSURE Filing Date July 31, 2003 STATEMENT BY APPLICANT First Named Inventor PAVLOVSKAIA, ELENA Art Unit 3732 (use as many sheets as necessary) **Examiner Name** Unassigned 018563-002920US Sheet Attorney Docket Number of

			U.S. PATENT D	OCUMENTS+	
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7/6	AB	3,660,900	· 05-09-1972	Andrews	
1	AC	3,860,803	01-14-1975	Levine	
	AD	3,916,526	11-04-1975	Schudy	
	AE	3,950,851	04-20-1976	Bergersen	
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	AH ·	4,324,546	04-13-1982	Heitlinger et al.	
1	Al	4,348,178	09-07-1982	Kurz	
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\neg	AL	4,505,673	03-19-1985	Yoshli	
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	AO	4,656,860	04-14-1987	Orthuber et al.	
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1-1	BD	5,017,133	05-21-1991	Miura	**************************************
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). Kind Codes of U.S. Patent Documents at www.uspto.gov or MPEP 801.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. St. Nind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 18 if possible. Applicant is to place a check mark here if English language Translation is attached.

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				Application Number	10/633,015	
INFO	DRMATION	l DI	SCLOSURE	Filing Date	July 31, 2003	
STA	TEMENT B	BY A	PPLICANT	First Named Inventor	PAVLOVSKAIA, ELENA	
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Examiner Initials	Cite No.1	Number Kind Code ² (# known)	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
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	СХ	EP	-541,500		06 12 1008	-Andersson et al.	 	

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Substit	ute for form 1448A/F	PTO			Complete if Known
				Application Number	10/633,015
INF	ORMATIO	N DI	SCLOSURE	Filing Date	July 31, 2003
STA	ATEMENT I	BY A	PPLICANT	First Named Inventor	PAVLOVSKAIA, ELENA
				Art Unit	3732
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				Art Unit	3732	
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Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city,and/or country where published.	T²
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'Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449B/P	то		Complete If Known		
INFO	D14 4 T/O1		OL OCUDE	Application Number	10/633,015	
			CLOSURE	Filing Date	July 31, 2003	
STAT	EMENT	BY A	PPLICANT	First Named Inventor	PAVLOVSKAIA, ELENA	
				Art Unit	3732	
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		NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item	
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Substitute	for form 1449B/P	ТО		C mplete if Kn wn		
			01 001105	Application Number	10/633,015	
			CLOSURE	Filing Date	July 31, 2003	
STAT	EMENT E	BY A	PPLICANT	First Named Inventor	PAVLOVSKAIA, ELENA	
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Examiner Signature	Todd E. Manahan	Date Considered	1-11-05
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 608. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 1449	B/PTO		Complete if Known		
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STAT	EMEN	T BY A	PPLICANT	First Named Inventor	PAVLOVSKAIA, ELENA	
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Examiner	Todd E. Manahan	Date	1 11 /
Signature	Primary Examiner	Considered	1-11-07

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STAT	EMENT	BY A	PPLICANT	First Named Inventor	PAVLOVSKAIA, ELENA	
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Examiner	Primary Examinar	Date	1 1-11-09
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Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

Substitute	for form 14498	/PTO		Complete if Known		
			01 001105	Application Number	10/633,015	
			CLOSURE	Filing Date	July 31, 2003	
STAT	EMENT	BY A	PPLICANT	First Named Inventor	PAVLOVSKAIA, ELENA	
				Art Unit	3732	
l (t	ıse as many	sheets as	necessary)	Examiner Name	Unassigned	
Sheet	Sheet 9 of 10		Attorney Docket Number	018563-002920US		

		NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2	
	GJ	REKOW, "Feasibility of an Automated System for Production of "Dental Restorations," PhD Thesis, Univ. of Minnesota, Nov. 1988, 244 pages total.		
	GК	RICHMOND et al., Research Reports, "The development of a 3D Cast Analysis System," British Journal of Orthodonatics, pp. 53-54.		
	GL	RICHMOND, "Recording the dental cast in three dimensions," Am. J. Orthod. Dentofac. Orthop., Vol. 92, No. 3, (Sept. 1987), pp.199-206.		
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-	GN	SAKUDA et al., "Integrated information-processing system in clinical orthodontics: An approach with a use of a computer network system," Am. J. Orthod. Dentotec. Orthop. Vol. 101 No. 3 (March 1992), pp. 210-229.		
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	GU	U.S. Department of Commerce, National Technical Information Service "Automated Cown Replication Using Solid Photography SM," Solid Photography Inc. Melville NY, October 1977, 21 pages total.		
	GV	U.S. Department of Commerce, National Technical Information Service, "Holodontography: An Introduction to Dental Laser Holography," School of Aerospace Medicine Brooks AFB Tex, March 1973, 37 pages total.		
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	GY	VAN DER LINDEN, "A New Method to Determine Tooth Positions and Dendal Arch Dimensions,".July-August 1972, p. 1104.		

Examiner	Todd E. Manahan	Date	111-05
Signature	Smary Examinar	Consid red	1-11-07

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

Substitute f	or form 1449B/PT	0			Complete if Known
l wear	388 A TIOS	DIC	OL OCUPE	Application Number	10/633,015
			CLOSURE	Filing Date	July 31, 2003
STAT	EMENT B	YA	PPLICANT	First Named Inventor	PAVLOVSKAIA, ELENA
				Art Unit	3732
(u	se as many sh	eets as	necessary)	Examiner Name	Unassigned
Sheet	Sheet 10 of 10		Attomey Docket Number	018563-002920US	

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	GZ	VAN DER ZEL, "Ceramio fused-to-metal Restorations with a New CAD/CAM System," Quinte sence International, vol. 24(11) (1993), pp. 769-778.		
	на.	VARADY et al., "Reverse Engineering of Geometric Medels - An Introduction," May 13/1996, pp. 1-28.		
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Examiner	Todd E. Manahan	Date	, ,, ,<
Signatur	Primary Examiner	Considered	<i> - -0</i> >

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